PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : C12Q 1/70

A1

(11) International Publication Number: WO 98/27231

(43) International Publication Date: 25 June 1998 (25.06.98)

(21) International Application Number: PCT/BR97/00081

(22) International Filing Date: 19 December 1997 (19.12.97)

(30) Priority Data:
PI 9606273-8 18 December 1996 (18.12.96) BR

(71) Applicant *(for all designated States except US)*: UNIVERSIDADE FEDERAL DE MINAS GERAIS [BR/BR]; Avenida Antonio Carlos, 6627, Bairro São Francisco, CEP-31270-901 Belo Horizonte, MG (BR).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: PEREGRINO FERREIRA, Paulo, César [BR/BR]; Apartamento 201, Alameda dos Jacarandás, 23, Bairro São Luiz, CEP-31275-060 Belo Horizonte, MG (BR). KROON, Erna, Geessien [BR/BR]; Avenida Xangri-Lá, 75, Braúnas, CEP-31365-640 Belo Horizonte, MG (BR). PIMENTA DOS REIS, Jenner, Karlisson [BR/BR]; Rua Nair Pentáguina Guimaraes, 165/101, Heliópolis, CEP-31760-100 Belo Horizonte, MG (BR). FORTES FERRAZ, Isabella, Bias [BR/BR]; Rua Athos Moreira Silva, 50, Belvedere, CEP-30320-480 Belo Horizonte, MG (BR). CERQUEIRA LEITE, Rômulo [BR/BR]; Rue Castelo de Windson, 550, Castelo, CEP-31330-090 Belo Horizonte, MG (BR).

(81) Designated States: AU, CA, JP, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published
With international search report.
Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: METHOD AND COMPOSITION FOR THE DIAGNOSIS OF EQUINE INFECTIOUS ANEMIA VIRUS DISEASE BY USING THE RECOMBINANT CAPSID PROTEIN VIRUS (P26)

(57) Abstract

The present invention relates to a method and kit for detecting antibodies in clinical samples of animals infected with equine infectious anemia virus using the immunodiagnosis with the recombinant viral antigen p26. The antigen was bound to solid supports (microtitter plates, tubes, beads or nitrocellulose papers or nylon) and reacted with the test serum. After incubation with conjugated anti-equine immunoglobulin-enzyme the reaction was revealed with a solution composed of the substrate of the enzyme used in the conjugate (cromogene). After development of the reaction (color formation) it was stopped with acid solution and measured. The immunoassay may be a direct second antibody immunoassay, a one or two step sandwich immunoassay.